

ABSTRACT OF THE DISCLOSURE

Disclosed are a function of automatically tuning a communication performance between the communications devices connected to a network and a function of periodically confirming and tuning the communication performance. In a plurality of communications devices capable of performing the communications by switching over a plurality of communication modes, the communication performance in each of the communication modes is previously measured under a plurality of communication conditions, there is obtained, per communication condition, a condition-based optimum communication mode as a communication mode in which the communication performance in the specific communication mode exceeds a communication performance in other communication mode, the condition-based optimum communication mode is selected in accordance with the communication condition when in communications, and the communications are thus performed.

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